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A sound system for capturing and reproducing sounds produced by a plurality of sound sources, comprising:

5 means for separately receiving sounds produced by the plurality of sound sources;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

means for separately storing the plurality of separate audio signals without mixing the audio signals;

10 means for separately retrieving the stored audio signals;

means for separately amplifying each of the separate audio signals; and

15 a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for reproducing the separately amplified audio signals.

20 2. The sound system of claim 1 wherein said separate loudspeaker means comprises a one or more loudspeakers or groups of loudspeakers which are customized for reproduction of the type of sounds reproduced by each loudspeaker or group of loudspeakers.

3. ~~The sound system of claim 1 further comprising a dynamic controller for dynamically controlling the loudspeaker network and the amplification network.~~

25 4. The sound system of claim 1 wherein each of the plurality of sound sources comprises a group of individual sound sources.

5. The sound system of claim 1 wherein each of the amplification means is customized for the audio signals to be amplified by that amplifier means.

6. The sound system of claim 1 wherein each of the amplification means and loudspeaker means is separately controllable.

7. The sound system of claim 2, wherein the customization of the loudspeakers includes one or more of the types of loudspeakers, the configuration of the loudspeakers, or the directionality of the loudspeakers.

8. The sound system of claim 1, wherein each amplifier means comprises a one or more amplifiers or groups of amplifiers which are customized for amplification of the type of audio signals to be amplified by each amplifier or group of amplifiers.

10 *Sub C2* A sound system for recording and reproducing sounds produced by a plurality of sound sources, comprising:
means for separately receiving sounds produced by the plurality of sound sources;
means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;
15 a recording medium;
means for separately storing the plurality of separate audio signals on the recording medium without mixing the audio signals;
means for reading the stored audio signals from the recording medium and recreating the plurality of separate audio signals;
20 an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the recreated plurality of separate audio signals;
a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for separately reproducing the amplified audio signals; and
25 a dynamic controller for separately dynamically controlling the loudspeaker network and the amplification network according to predetermined control schemes that takes into account the change in

~~dynamic relationship among the separate audio signals that results from a change in the receiver levels of the audio signal.~~

10. A system for reproducing sounds produced by a plurality of sound sources, comprising:

5 means for separately receiving a plurality of audio signals produced by the plurality of sound sources without mixing the audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for amplifying each of the plurality of audio signals; and

10 a loudspeaker network comprising a plurality of customized loudspeaker means, with separate loudspeaker means for separately reproducing each of the separately amplified audio signals.

15 11. The sound system of claim 10 further comprising a dynamic controller for dynamically controlling the loudspeaker network and amplifier network.

12. The sound system of claim 10 wherein each of the plurality of sound sources comprises a group of individual sound sources.

13. The sound system of claim 10 wherein each of the amplification means is separately controllable.

20 14. The sound system of claim 10 wherein each of the loudspeaker means is separately controllable.

15. A method of recording and reproducing sound comprising the steps

25 capturing a plurality of sounds from a plurality of sound sources; converting each of the plurality of sounds to an audio signal; separately recording each of the audio signals; separately retrieving each of the audio signals; separately amplifying each of the plurality of audio signals; and separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds.

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of:

16. The method of claim 15 further comprising the step of dynamically controlling the loudspeaker network and amplifier network.

17. The method of claim 15 further comprising the step of separately controlling each of the amplification means.

5 18. The method of claim 15 further comprising the step of separately controlling each of the loudspeaker means.

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A method of sound reproduction comprising the steps of : capturing a plurality of sounds from a plurality of sound sources; converting each of the plurality of sounds to an audio signal; separately transmitting each of the audio signals without mixing the audio signals; separately amplifying each of the plurality of audio signals; and separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds.

10 15 20. The method of claim 19 further comprising the step of dynamically controlling the loudspeaker network and amplifier network.

21. The method of claim 19 further comprising the step of separately controlling each of the amplification means.

20 22. The method of claim 19 further comprising the step of separately controlling each of the loudspeaker means.

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